

[This question paper contains 2 printed pages.]

**Sr. No. of Question Paper : 1678**

**Roll No.....**

Name of the Course : **D. Pharma. – IIInd Yr. (2015)**

Name of the Paper : D – VII Pharmaceutics – II (Dispensing Pharmacy)

Duration : 3 Hours

Maximum Marks : 80

**Instructions for Candidates**

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **five** questions.
3. **All** questions carry equal marks.

1. (a) Define Posology. Discuss various methods for calculation of dose. (10)  
(b) Given in the adult dose of Paracetamol 500 mg. Calculate the dose of child whose age is 5 years. (6)
2. Write a short note on:  
(a) Therapeutic incompatibility (8)  
(b) Prescription (8)
3. (a) Explain Dusting powder. How will you handle Deliquescent substances while dispensing powder. (8)  
(b) Differentiate any two  
(i) Syrup and Elixir  
(ii) Liniment and Lotion

*P.T.O.*

- (iii) Mouth washes and Throat Paints (8)
4. Define suspension Discuss in detail the formulation of suspension with suitable example. How will you differentiate between flocculated and deflocculated suspension. (16)
5. What are the different types of ointment bases? Discuss preparation, packaging, labelling and storage of ointments. (16)
6. (a) Define suppositories with their merits and demerits. (8)  
(b) Discuss briefly the factors responsible for instability of emulsions. (8)
7. (a) Write a short note on sterility testing and particular matter monitoring. (8)  
(b) What are the additives used in ophthalmic formulation. (8)
8. Write a brief note on any **two**
- (i) Pastes
  - (ii) Deodorants
  - (iii) Shampoos
  - (iv) Dentifrices (2×8)

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Sr. No. of Question Paper : 1679

Roll No.....

Name of the Course : D. Pharma. – IIInd Yr (2015)

Name of the Paper : VIII Pharmaceutical Chemistry – II

Duration : 3 Hours

Maximum Marks : 80

**Instructions for Candidates**

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt **five** questions.
3. **All** questions carry equal marks.
4. Q. No. **1** is compulsory.

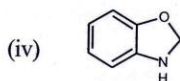
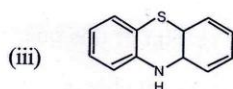
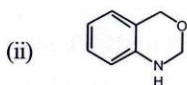
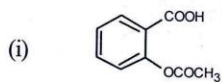
1. (a) Write the structure of (any **eight**):

- (i) Benzofuran
- (ii) Pyrazoline
- (iii) Pyrazine
- (iv) Oxazole
- (v) Imidazole
- (vi) Tetrahydrofuran
- (vii) Isoquinoline
- (viii) Benzothizole
- (ix) Quinazolinone

(8)

P.T.O.

(b) Write the IUPAC name :



(8)

2. (a) Write chemical structure, category and uses of any **four**:

(i) Phenylbutazone

(ii) Ethambutol

(iii) Caffeine

(iv) Imipramine

(v) Furosemide

(vi) Paracetamol

(b) Write a detailed note on anti-leprotic drugs.

(8+8)

3. What are anti-tubercular drugs? Classify them and draw structures of second line drugs and write popular brand names of these drugs.

(16)

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4. Write notes on:-

(a) Coagulants and anticoagulants

(b) Tranquilizers

(8+8)

5. What are non steroidal anti-inflammatory drugs? Classify, draw structures write brand names of any three drugs used as NSAID. (16)

6. Write note on:

(a) Diagnostic agents

(b) Hypoglycemic agents

(8+8)

7. (a) What are adrenergic drugs? Classify them and draw three structures belonging to this category.

(b) Write a detailed note on adrenergic antagonist.

(10+6)

(200)

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**Sr. No. of Question Paper : 1680**

**Roll No.....**

Name of the Course : **D. Pharma. – IIInd Yr. (2015)**

Name of the Paper : D : IX Pharmacology and Toxicology

Duration : 3 Hours

Maximum Marks : 80

**Instructions for Candidates**

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **five** questions.
3. **All** questions carry equal marks.

1. Write short notes on:

(a) Expectorant and antitussives

(b) Drugs used in glaucoma

(8×2)

2. Write short notes on:

(a) Pre-anesthetic medication

(b) Antacids

(8×2)

3. Write short notes on:

(a) Drugs used in peptic ulcer

(b) Oral contraceptives

(8×2)

*P.T.O.*

4. Write short notes on:
- (a) Use of aspirin in angina
  - (b) Rationale for the addition of clavulanic acid with amoxicillin. (8×2)
5. Classify anti-leprotic drugs. Write pharmacological actions, adverse effects and therapeutic uses of dapsone. (16)
6. Classify anti anginal drugs. Discuss mechanism of action, adverse effects and uses of isosorbide. (16)
7. Write mechanism of action, adverse effects and uses of the following drugs:
- (a) Meteronidazole
  - (b) Warfarin
  - (c) Salbutamol
  - (d) Valproic acid (4×4)

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**Sr. No. of Question Paper : 1681**

**Roll No.....**

Name of the Course : **D. Pharma – II Year (2015)**

Name of the Paper : X Pharmaceutical Jurisprudence

Duration : 3 Hours

Maximum Marks : 80

**Instructions for Candidates**

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **five** questions.
3. **All** questions carry equal marks.

1. Define:

- (a) Spurious drugs
- (b) Drugs
- (c) Cosmetics
- (d) Magic remedies

(4×4)

2. Discuss:

- (a) Need of ethics
- (b) Code of ethics with respect to patients

(8+8)

3. Write short note on:

- (a) Significance of Pharmacy Act

*P.T.O.*



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- (b) Education regulations (8+8)
4. Discuss the objectives of Drugs and magic remedies act and the advertisements permitted under the act. (16)
5. Discuss in brief various provisions of Narcotic and psychotropic substances act. (16)
6. Discuss the classes of drugs prohibited to be imported into India. (16)
7. Discuss
- (a) Duties of drug inspector
- (b) Functions of drug inspector (8+8)
8. Discuss the salient features of Drug price control order. (16)

(200)

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**Sr. No. of Question Paper : 1682**

**Roll No.....**

Name of the Course : **D. Pharm – IInd Year (2015)**

Name of the Paper : XI Drug Store and Business Management

Duration : 3 Hours

Maximum Marks : 80

**Instructions for Candidates**

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **five** questions.
3. **All** questions carry equal marks.

1. (a) What do you understand by Pharmaceutical Industry. Classify Industry.  
(b) Draw a flow chart explaining forms on the basis of ownership. Explain sole proprietorship business.
2. Discuss any two of the following:
  - (a) Branches of commerce
  - (b) Principles of management
  - (c) Wholesalers and retailers
3. What are the objectives of purchasing? Discuss in detail the various methods used for Purchasing.
4. Explain the following:
  - (i) ABC and VED analysis

*P.T.O.*

- (ii) Scrap and surplus disposal
  - (iii) Pricing methods
  - (iv) Objective of advertising
5. What is Induction and Training. Explain types and methods of training.
  6. Explain the objectives of market research. Explain the procedure followed for conducting market research.
  7. Explain accounting concepts. Discuss the advantages of book keeping and Accountancy.
  8. Explain Budgetary control with respect to objectives, essential requirement, advantages and limitations.

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**Sr. No. of Question Paper : 1683**

**Roll No.....**

Name of the Course : **D. Pharm. – IInd Year (2015)**

Name of the Paper : D-XII Hospital and Clinical Pharmacy

Duration : 3 Hours

Maximum Marks : 80

**Instructions for Candidates**

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **five** questions.
3. **All** questions carry equal marks.
4. Different parts of a question should be answered in sequence.

1. (a) What are the functions of hospital pharmacy?  
(b) What is the qualification of pharmacists in a hospital pharmacy? (8×2)
2. Describe the procedure for dispensing of controlled drugs. (16)
3. (a) Explain the manufacturing practice for sterile dosage form.  
(b) Elaborate the classification of ADRs. (16)
4. Elaborate the various sources of drug information. (16)
5. Discuss the etiology, pathophysiology, symptoms and treatment of Hepatitis OR Diabetes mellitus. (16)

*P.T.O.*

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6. What are the functions and objectives of pharmacy. Therapeutic Committee? Discuss the various drug interactions leading to altered absorption (8×2)
7. (a) What do you understand by bioavailability? Discuss the factors affecting it. (10)
- (b) What is the scope of clinical pharmacy in India? (6)
8. Write short notes on (any four)
- (a) Master formula card
- (b) Air filtration system
- (c) Medication error
- (d) Addictive effect of cocaine
- (e) Factors affecting bioavailability (4×4)

(200)